

**Amendment to the Drawings:**

The attached sheets of drawings include changes to FIGS. 1, 1a, 1b, 2 and 3. These sheets, which include FIGS. 1, 1a, 1b, 2 and 3, replace the original sheets including FIGS. 1, 1a, 1b, 2 and 3.

## **REMARKS/ARGUMENTS**

Claims 1-7 and 13-20 are currently pending in the present patent application, with claims 8-12 and 21-29 having been withdrawn. Claims 1, 4-5, 13, 15, 17 and 19 have been amended. In light of the following, all of the claims are now in condition for allowance. If after considering this response the Examiner believes that not all of the claims are allowable, he is requested to schedule a telephone conference with the Applicant's attorney to further the prosecution of this application.

### **Objection of claims 1, 13, 15 and 19**

Claims 1, 13, 15 and 19 have been amended to correct these informalities.

### **Objection of claims 4-5 and 17-18**

Claims 4-5 and 17 have been rewritten in independent form.

### **Rejection of claims 13-16 and 19 under 35 U.S.C. § 102(b) as being anticipated by Farrenkopf (US 5,854,099)**

#### **Claim 13**

Claim 13, as amended, recites at least one body contact region formed in the source region, and at least one source contact region formed in the source region at a distance from the body contact region in a direction perpendicular to the distance between the gate regions.

For example, referring, e.g., to FIGS. 6 and 7 and paragraphs 39-42 of the present application, at least one body contact region 43 is formed in the source region 36, and at least one source contact region 46 is formed in the source region 36 at a distance from the body contact region 43 in a direction perpendicular to the distance between the gate regions 34. It should be noted that the body contact regions 43 and the source contact regions 46 alternate parallel to the Y-axis in FIGS. 6 and 7. As a result, the space between the gate regions 34 only needs to be wide enough (along the X-axis) to accommodate the width of a single contact region 43 or 46. Therefore, the MOS power device can be scaled-down more easily to obtain a higher packaging density.

### Claims 14-16

**Claim 19**

Claim 19, as amended, is patentable for reasons similar to those recited above in support of the patentability of amended claim 13.

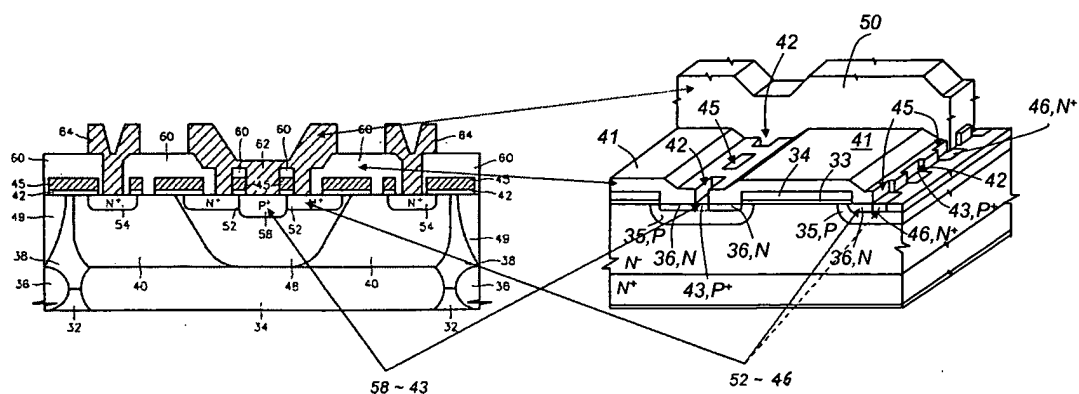
**Rejection of claims 1-3, 6 and 20 under 35 U.S.C. § 103(a) as being unpatentable over Farrenkopf in view of Kwon (US 2002/0195654)**

**Claim 1**

Claim 1, as amended, recites second contact regions extending at the side of first contact regions in a direction perpendicular to the width of the window.

For example, as described above, second contact regions 46 extend at the side of first contact regions 43 in a direction perpendicular to the width of the window 40 (between gate regions 34). As a result, because the first and second contact regions 43 and 46 alternate parallel to the Y-axis in FIGS. 6 and 7 of the present application, the window 40 only needs to be wide enough (along the X-axis) to accommodate the width of a single contact region 43 or 46.

Similar to Farrenkopf, Kwon does not teach second contact regions extending at the side of first contact regions in a direction perpendicular to the width of the window. Instead, Kwon discloses second contact regions 52 extending on both sides of a first contact region 58 in a direction parallel to the width of the window between gate regions 44. This is shown below in the comparison of FIG. 9 of Kwon (left) to FIG. 7 of the present application (right).



The window between the gate regions 44 in Kwon must be wide enough to accommodate the widths of both of the second contact regions 52 as well as the first contact region 58. This total width is significantly greater than the width of only a

single contact region. After reviewing Kwon in its entirety, the Applicants' attorney is unable to find any mention of second contact regions extending at the side of first contact regions in a direction perpendicular to the width of the window. Therefore, the combination of Farrenkopf and Kwon does not satisfy the limitations of amended claim 1.

**Claims 2-3, 6 and 20**

Claims 2-3, 6 and 20 are patentable by virtue of their respective dependencies from independent claims 1 and 19.

**Rejection of claim 7 under 35 U.S.C. § 103(a) as being unpatentable over  
Farrenkopf in view of John (WO 99/33119)**

Claim 7 is patentable by virtue of its dependency from independent claim 1.

### **CONCLUSION**

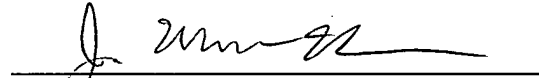
In view of the foregoing, claims 1-7 and 13-20 are in condition for allowance, and that action is respectfully requested.

In the event additional fees are due as a result of this amendment, payment for those fees has been enclosed in the form of a check. Should further payment be required to cover such fees you are hereby authorized to charge such payment to Deposit Account No. 07-1897.

If, after considering this response, the Examiner does not agree that all of the claims are allowable, then it is respectfully requested that the Examiner contact the Applicants' attorney, J. Mark Han, at (425) 455-5575.

Respectfully submitted,

GRAYBEAL JACKSON HALEY LLP



---

J. Mark Han  
Registration No. 57,898  
155 – 108<sup>th</sup> Avenue NE, Suite 350  
Bellevue, WA 98004-5973  
(425) 455-5575 Phone  
(425) 455-5575 Fax